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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/705,235	11/12/2003	Munekatsu Shimada	50353-624	3529
7590 08/09/2007 MCDERMOTT, WILL & EMERY 600 13th Street, N.W.			EXAMINER SHEEHAN, JOHN P	
Washington, DC 20005-3096		ART UNIT	PAPER NUMBER	
			1742	
	·		7 W 4 W	
		·	MAIL DATE	DELIVERY MODE
			08/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/705,235	SHIMADA ET AL.
Office Action Summary	Examiner	Art Unit
	John P. Sheehan	1742
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet with	the correspondence address
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR of after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perions are to reply within the set or extended period for reply will, by statue Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 1.136(a). In no event, however, may a reply of will apply and will expire SIX (6) MONTH: ute, cause the application to become ABAN	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>27</u> This action is FINAL . 2b)⊠ The 3)□ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters	
Disposition of Claims		
4) Claim(s) 1,3,4 and 6-20 is/are pending in the 4a) Of the above claim(s) 12-19 is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1, 3, 4 and 6-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and are subject to restriction and are subject to restriction and are subjected to by the Examination The specification is objected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing sheet(s) including the correction of the Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration is objected to by the Examination The oath or declaration The oat	awn from consideration. /or election requirement. ner. ccepted or b) objected to by the drawing(s) be held in abeyance ection is required if the drawing(s)	. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).
,—,	Examiner. Note the attached C	
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the priority do	nts have been received. nts have been received in App iority documents have been re- au (PCT Rule 17.2(a)).	lication No ceived in this National Stage
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Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/M	mary (PTO-413) lail Date mal Patent Application

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 27, 2007 has been entered.

Election/Restrictions

1. This application contains claims 12 to 19 drawn to an invention nonelected with traverse.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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3. Claims 1, 3, 4, 6 to 11 and 20 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Arai et al. (Arai, US Patent Application Publication No. 2002/0153064).

Aria teaches an Nd-Fe-B type rare earth magnet alloy having a soft magnetic phase and a hard magnetic phase and a composition that is overlaps the Nd-Fe-B type rare earth magnet alloy composition recited in each of the instant claims (paragraph 0010). Arai teaches that the grain diameter of the hard and soft magnetic phase is 0.5 to 50 nm (paragraphs 0066 and 0090), which is encompassed by each of the instant claims. Arai teaches that the alloy is formed into a ribbon (paragraph 0015 and 0079) as recited in applicants' claim 7, wherein the ribbon has a thickness of 10 to 40 microns (paragraph 0016) which overlaps applicants' claim 8. Aria teaches that the alloy ribbon is heated to a temperature in the range of 400 to 900°C (paragraph 0097) and ball milled (paragraph 100) as recited in applicants' claims 10 and 11 respectively. Thus, in addition to teaching an alloy composition that overlaps the alloy recited in claim 1, 3, 4, 6 to 11 and 20, Arai also teaches a process of making the disclosed alloy that is substantially the same as or similar to the process recited in product by process claims 7, 10 and 11.

The claim and Aria differ in that Arai is silent with respect to the minimum distance between the soft magnetic phases.

However, one of ordinary skill in the art at the time the invention was made would have considered the invention to have been obvious because the alloy taught by the Arai has a composition that overlaps the alloy composition recited in the instant claims

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and is made by a process which is substantially the same as or similar to applicants' process of making the instantly claimed alloy. In view of this, the alloy taught by the reference would be expected to posses all the same properties as recited in the instant claims including the minimum distance between the soft magnetic phases recited in applicants' claims, In re Best, 195 USPQ, 430 and MPEP 2112.01.

"Where the claimed and prior art products are identical or substantially identical in structure or composition, or are produced by identical or substantially identical processes, a prima facie case of either anticipation or obviousness has been established, In re Best, 195 USPQ 430, 433 (CCPA 1977). 'When the PTO shows a sound basis for believing that the products of the applicant and the prior art are the same, the applicant has the burden of showing that they are not.' In re Spada,15 USPQ2d 655, 1658 (Fed. Cir. 1990). Therefore, the prima facie case can be rebutted by evidence showing that the prior art products do not necessarily possess the characteristics of the claimed product. In re Best,195 USPQ 430, 433 (CCPA 1977)." see MPEP 2112.01.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P. Sheehan whose telephone number is (571) 272-1249. The examiner can normally be reached on T-F (6:45-4:30) Second Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> **Primary Examiner** Art Unit 1742

JPS